



14AF7

MEDIUM-MU TWIN TRIODE

14AF7

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 12.6[□] ac or dc volts
Current. 0.15^{□□} amp

Direct Interelectrode Capacitances:[○]

Each Unit:

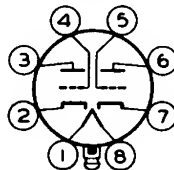
Grid to Plate. 2.3 μf
Grid to Cathode 2.2 μf
Plate to Cathode 1.6 μf
Grid of Unit No.1 to Grid of Unit No.2 0.20 max. μf
Plate of Unit No.1 to Plate of Unit No.2. 0.60 max. μf
Grid of Unit No.1 to Plate of Unit No.2. 0.06 max. μf
Grid of Unit No.2 to Plate of Unit No.1. 0.10 max. μf

[○] Without external shield.

Mechanical:

Mounting Position. Any
Maximum Overall Length 2-25/32"
Maximum Seated Length. 2-1/4"
Maximum Diameter 1-3/16"
Bulb T-9
Base Lock-in 8-Pin
Basing Designation for BOTTOM VIEW 8AC

Pin 1-Heater
Pin 2-Cathode of
Triode No.2
Pin 3-Plate of
Triode No.2
Pin 4-Grid of
Triode No.2



Pin 5-Grid of
Triode No.1
Pin 6-Plate of
Triode No.1
Pin 7-Cathode of
Triode No.1
Pin 8-Heater
Plug - Base Shell

AMPLIFIER-Class A₁

Values are for each unit

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts
PLATE DISSIPATION. 2.5 max. watts
GRID VOLTAGE:
Positive bias value. 0 max. volts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode. 90 max. volts
Heater positive with respect to cathode. 90 max. volts

Typical Operation and Characteristics:

Plate Voltage. 100 100 250 volts
Grid Voltage 0 - - volts
Cathode-Bias Resistor. - 600 1100 ohms

[□] Nominal voltage = 14.0 volts.
^{□□} Nominal current = 0.16 ampere.

NOV. 15, 1948

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

14AF7
TO
14C5



14AF7

MEDIUM-MU TWIN TRIODE

(continued from preceding page)

Amplification Factor	17	16	16	
Plate Resistance	6500	8400	7600	ohms
Transconductance	2600	1900	2100	μ mhos
Plate Current	10.8	5	9	ma

14B6

TWIN DIODE—HIGH-MU TRIODE

Heater, for Unipotential Cathode:

Voltage 12.6[□] ac or dc volts

Current 0.15^{□□} amp

The 14B6 is the same as the 7B6 except for heater rating.

[□] Nominal voltage = 14.0 volts.

^{□□} Nominal current = 0.16 ampere.

14B8

PENTAGRID CONVERTER

Heater, for Unipotential Cathode:

Voltage 12.6[□] ac or dc volts

Current 0.15^{□□} amp

The 14B8 is the same as the 7B8 except for heater rating.

[□] Nominal voltage = 14.0 volts.

^{□□} Nominal current = 0.16 ampere.

14C5

BEAM POWER AMPLIFIER

Heater, for Unipotential Cathode:

Voltage 12.6[□] ac or dc volts

Current 0.225^{□□} amp

The 14C5 is the same as the 7C5 except for heater rating.

[□] Nominal voltage = 14.0 volts.

^{□□} Nominal current = 0.240 ampere.